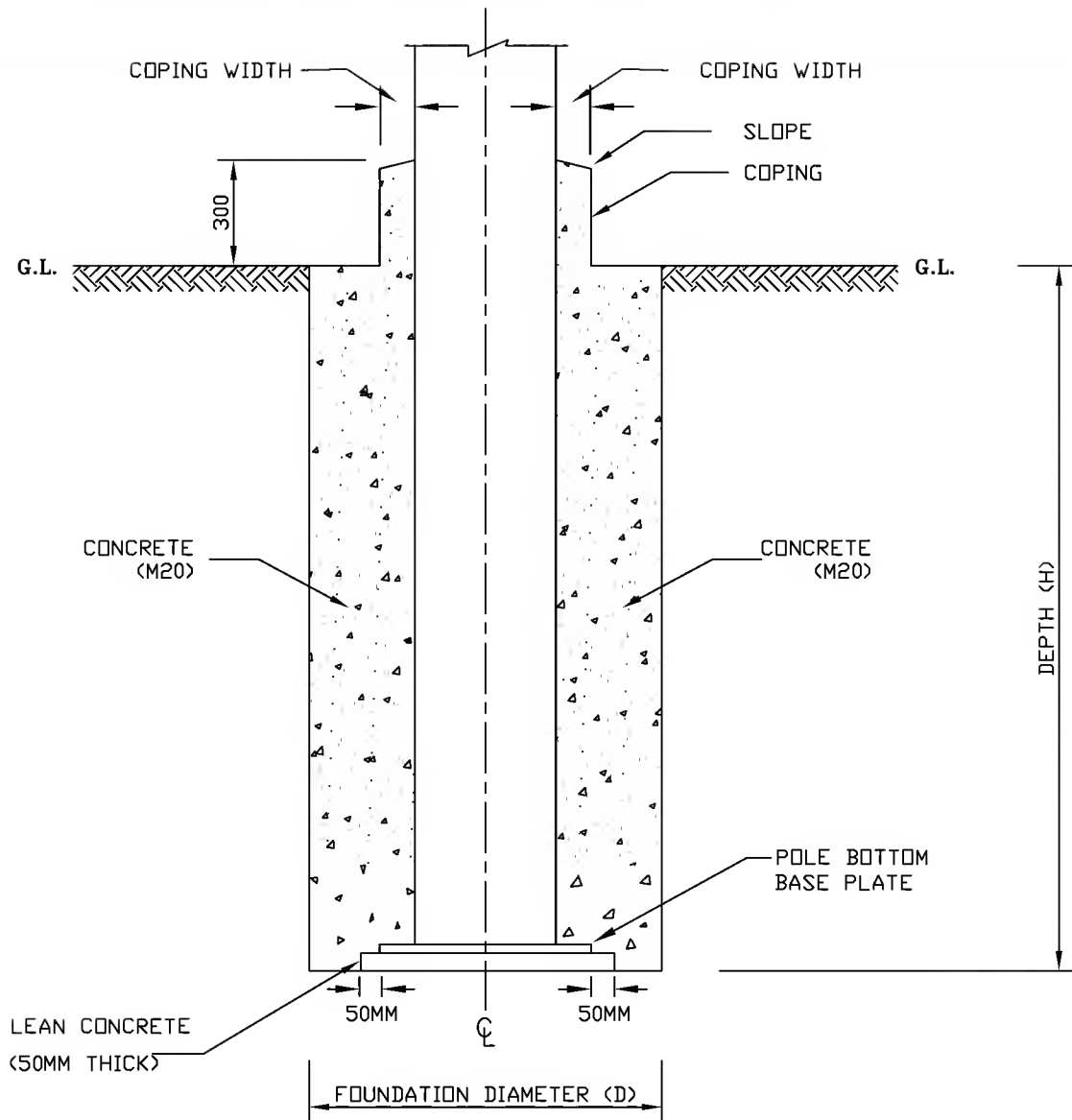




## SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated:

NOTES :

1. ALL DIMENSIONS ARE IN MM.
2. ROCK FILLING SHOULD BE AVOIDED & SUPPORT CLAMP TO BE USED FOR POLE ALIGNMENT.
3. COPING SHALL BE OF 500MM HEIGHT FOR VALLEY/WADI CROSSING POLES.
4. TOP FOUNDATION SURFACE SHALL BE MADE ROUGH TO HAVE A GOOD BONDING CONTACT WITH COPING, OTHERWISE BONDING AGENT SHALL BE ADDED DURING CONCRETE COPING.
5. COPING WIDTH SHALL BE 200MM FOR OC10, 300MM FOR ALL SINGLE CIRCUIT STRUCT. AND 400MM FOR OC14D. (REFER TO DIMENSIONS IN TABLES-1, 2 & 3)

CONST-DRW.01-TYPICAL FOUNDATION FOR ALL OCTAGONAL STEEL POLES

ALL DIMENSIONS ARE IN MILLIMETER



## SEC DISTRIBUTION CONSTRUCTION STANDARDS

Dated:

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TABLE-1

## FOUNDATION DETAILS FOR OC10, LOW VOLTAGE STRUCTURES

FUND. TYPE	POLE TYPE	SOIL TYPE	DIAMETER FOUNDATION (mm)	DEPTH OF FOUNDATION (mm)	COPING SIZE (MM) (Width x Height)	STAY ANGLE WITH POLE (Degree)
1	INTERMEDIATE (IMP) STRUCTURE (0°-15°)	ROCK	700	1,500	200 Dia. x 300 Ht.	N.A.
		MEDIUM	800	1,500	200 Dia. x 300 Ht.	N.A.
		LOOSE	900	1,500	200 Dia. x 300 Ht.	N.A.
2	MEDIUM ANGLE (MAP) STRUCTURE (16°-60°)	ROCK	700	1,500	200 Dia. x 300 Ht.	33 - 45
		MEDIUM	800	1,500	200 Dia. x 300 Ht.	33 - 45
		LOOSE	900	1,500	200 Dia. x 300 Ht.	33 - 45
3	HEAVY ANGLE (HAP) STRUCTURE (61°-90°)	ROCK	800	1,500	200 Dia. x 300 Ht.	33 - 45
		MEDIUM	1,000	1,500	200 Dia. x 300 Ht.	33 - 45
		LOOSE	1,200	1,500	200 Dia. x 300 Ht.	33 - 45
4	TERMINAL (TER) STRUCTURE	ROCK	800	1,500	200 Dia. x 300 Ht.	33 - 45
		MEDIUM	1,000	1,500	200 Dia. x 300 Ht.	33 - 45
		LOOSE	1,200	1,500	200 Dia. x 300 Ht.	33 - 45

## NOTES:

1. FOR ALL TYPES OF TAP-OFF STRUCTURES FOUNDATION TYPE #4 ARE APPLICABLE.
2. CONCRETE SHALL BE OF M20 MIX WITH COMPRESSIVE STRENGTH 210 Kg/Sq.cm.
3. THE TOP SURFACE CONCRETE COPING MUST BE SLOPED TO PREVENT WATER STAGNATION.
4. TOP SURFACE OF FOUNDATION MUST HAVE ROUGH SURFACE IN ORDER TO HAVE A GOOD BONDING WITH CONCRETE COPING OR BONDING AGENT MAY BE ADDED DURING CONCRETE COPING.
5. THE ABOVE FOUNDATION ARE NOT APPLICABLE FOR SELF SUPPORT STRUCTURE.
6. CONCRETE CURING MUST BE APPLIED MINIMUM 3 DAYS.
7. REFER TO THE RELEVANT TYPICAL FOUNDATION DRAWING FOR MORE CLARIFICATIONS.

## SEC DISTRIBUTION CONSTRUCTION STANDARDS



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Dated: \_\_\_\_\_

TABLE-2

## FOUNDATION DETAILS FOR OC12S, OC13S, OC14S &amp; OC15S/D SINGLE CIRCUIT STRUCTURES

FUND. TYPE	POLE TYPE	SOIL TYPE	DIAMETER FOUNDATION (mm)	DEPTH OF FOUNDATION (mm)	COPING SIZE (MM) (Width x Height)	STAY ANGLE WITH POLE (Degree)
1	INTERMEDIATE (IMP) STRUCTURE (0°-5°)	ROCK	700	2,000	300 Dia. x 300 Ht.	N.A.
		MEDIUM	800	2,000	300 Dia. x 300 Ht.	N.A.
		LOOSE	800	2,000	300 Dia. x 300 Ht.	N.A.
2	LIGHT ANGLE (LAP) STRUCTURE (6°-15°)	ROCK	800	2,000	300 Dia. x 300 Ht.	33 - 45
		MEDIUM	900	2,000	300 Dia. x 300 Ht.	33 - 45
		LOOSE	1,000	2,000	300 Dia. x 300 Ht.	33 - 45
3	MEDIUM ANGLE (MAP) STRUCTURE (16°-60°)	ROCK	900	2,000	300 Dia. x 300 Ht.	33 - 45
		MEDIUM	1,000	2,000	300 Dia. x 300 Ht.	33 - 45
		LOOSE	1,200	2,000	300 Dia. x 300 Ht.	33 - 45
4	HEAVY ANGLE (HAP), SECTION (SEC) & TERMINAL (TER) STRUCTURES	ROCK	1,000	2,000	300 Dia. x 300 Ht.	33 - 45
		MEDIUM	1,200	2,000	300 Dia. x 300 Ht.	33 - 45
		LOOSE	1,400	2,000	300 Dia. x 300 Ht.	33 - 45

## NOTES:

1. FOR ALL TYPES OF COMPOSITE & TAP-OFF STRUCTURES FOUNDATION TYPE #4 ARE APPLICABLE.
2. CONCRETE SHALL BE OF M20 MIX WITH COMPRESSIVE STRENGTH 210 Kg/Sq.cm.
3. THE TOP SURFACE CONCRETE COPING MUST BE SLOPED TO PREVENT WATER STAGNATION.
4. TOP SURFACE OF FOUNDATION MUST HAVE ROUGH SURFACE IN ORDER TO HAVE A GOOD BONDING WITH CONCRETE COPING OR BONDING AGENT MAY BE ADDED DURING CONCRETE COPING.
5. THE ABOVE FOUNDATION ARE NOT APPLICABLE FOR SELF SUPPORT STRUCTURE.
6. CONCRETE CURING MUST BE APPLIED MINIMUM 3 DAYS.
7. REFER TO THE RELEVANT TYPICAL FOUNDATION DRAWING FOR MORE CLARIFICATIONS.



## SEC DISTRIBUTION CONSTRUCTION STANDARDS

Dated: \_\_\_\_\_

TABLE-3

## FOUNDATION DETAILS FOR OC14D &amp; OC15S/D, OC DOUBLE CIRCUIT STRUCTURE

FUND. TYPE	POLE TYPE	SOIL TYPE	DIAMETER FOUNDATION (mm)	DEPTH OF FOUNDATION (mm)	COPING SIZE (MM) (width x Height)	STAY ANGLE WITH POLE (Degree)
1	INTERMEDIATE (IMP) (0°-5°), OC14D (0°), OC15S/D STRUCTURES	ROCK	900	2,000	400 Dia. x 300 Ht.	N.A.
		MEDIUM	1,000	2,000	400 Dia. x 300 Ht.	N.A.
		LOOSE	1,100	2,000	400 Dia. x 300 Ht.	N.A.
2	LIGHT ANGLE (LAP) (6°-15°), OC14D (1°-15°), OC15S/D STRUCTURES	ROCK	1,000	2,000	400 Dia. x 300 Ht.	33 - 45
		MEDIUM	1,100	2,000	400 Dia. x 300 Ht.	33 - 45
		LOOSE	1,200	2,000	400 Dia. x 300 Ht.	33 - 45
3	MEDIUM ANGLE (MAP) (16°-60°) STRUCTURES	ROCK	1,100	2,000	400 Dia. x 300 Ht.	33 - 45
		MEDIUM	1,200	2,000	400 Dia. x 300 Ht.	33 - 45
		LOOSE	1,400	2,000	400 Dia. x 300 Ht.	33 - 45
4	HEAVY ANGLE (HAP), SECTION (SEC), & TERMINAL (TER) STRUCTURES	ROCK	1,200	2,000	400 Dia. x 300 Ht.	33 - 45
		MEDIUM	1,400	2,000	400 Dia. x 300 Ht.	33 - 45
		LOOSE	1,600	2,000	400 Dia. x 300 Ht.	33 - 45

## NOTES:

1. FOR ALL TYPES OF TAP-OFF STRUCTURES FOUNDATION TYPE #4 ARE APPLICABLE.
2. CONCRETE SHALL BE OF M20 MIX WITH COMPRESSIVE STRENGTH 210 Kg/Sq.cm.
3. THE TOP SURFACE CONCRETE COPING MUST BE SLOPED TO PREVENT WATER STAGNATION.
4. TOP SURFACE OF FOUNDATION MUST HAVE ROUGH SURFACE IN ORDER TO HAVE A GOOD BONDING WITH CONCRETE COPING OR BONDING AGENT MAY BE ADDED DURING CONCRETE COPING.
5. THE ABOVE FOUNDATION ARE NOT APPLICABLE FOR SELF SUPPORT STRUCTURE.
6. CONCRETE CURING MUST BE APPLIED MINIMUM 3 DAYS.
7. REFER TO THE RELEVANT TYPICAL FOUNDATION DRAWING FOR MORE CLARIFICATIONS.